(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 16 June 2005 (16.06.2005)

(10) International Publication Number WO 2005/053699 A1

(51) International Patent Classification7: 31/513, A61P 35/00

A61K 31/52.

(21) International Application Number:

PCT/GB2004/005081

- (22) International Filing Date: 3 December 2004 (03.12.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0328180.5

4 December 2003 (04.12.2003) GB

- (71) Applicant (for all designated States except US): CYCLA-CEL LIMITED [GB/GB]; 6-8 Underwood Street, London NI 7JQ (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): GREEN, Simon [GB/GB]; 37 Boniface Road, Invergowrie, Dundee DD2 5DW, Scotland (GB). SLEIGH, Roger, Neil [GB/GB]; 14 Lammerton Terrace, Dundee, Angus DD4 7BW, Scotland (GB).
- (74) Agents: CLYDE-WATSON, Zoe et al.; D Young & Co. 120 Holborn, London EC1N 2DY (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM. AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI. GB, GD. GE, GH. GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD. MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG. PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN. TR. TT. TZ. UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR. GB. GR, HU, IE. IS, IT, LT, LU, MC, NL, PL, PT, RO, SE. SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMBINATION OF A CDK INHIBITOR AND CS-682 OR A METABOLITE THEREOF

(57) Abstract: A first aspect of the invention relates to a combination comprising a CDK inhibitor and 1-(2-C-cyano-2-dioxy-β-Darabino-pentofuranosyl)-N4-palmitoyl cytosine, or a metabolite thereof. A second aspect of the invention relates to a pharmaceutical product comprising a CDK inhibitor and 1-(2-C-cyano-2-dioxy-β-D-arabino-pentofuranosyl)-N4-palmitoyl cytosine, or a metabolite thereof, as a combined preparation for simultaneous, sequential or separate use in therapy. A third aspect of the invention relates to a method of treating a proliferative disorder, said method comprising simultaneously, sequentially or separately administering a CDK inhibitor and 1-(2-C-cyano-2-dioxy-β-D-arabino-pentofuranosyl)-N4-palmitoyl cytosine, or a metabolite thereof, to a subject.